

FIGURE 1

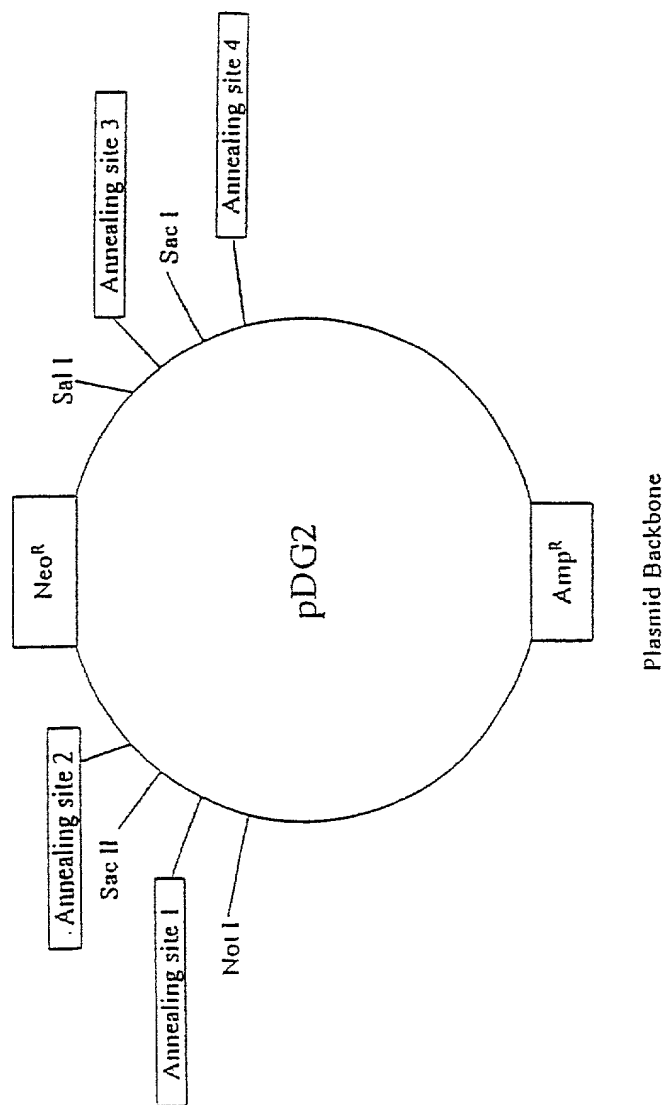


FIGURE 2A

GTTAACTACG TCAGGTGGCA CTTTTCGGGG AAATGTGCGC GGAACCCCTA TTTGTTTTATT TTTCTAAATA CATTCAAATA
 TGTATCCGCT CATGAGACAA TAACCTGAT AAATGCTTCA ATAATATTGA AAAAGGAAGA GTATGAGTAT TCAACATTTT
 CGTGTCCGCC TTATTCCTTT TTTTTCGGCA TTTTGCTTTC CTGTTTTTGC TCACCCAGAA ACGCTGGTGA AAGTAAAGAA
 TGCTGAAGAT CAGTTGGGTG CACGAGTGGG TTACATCGAA CTGGATCTCA ACAGCGGTAA GATCCTTGAG AGTTTTTCGCC
 CCGAAGAACG TTCTCCAATG ATGAGCACTT TTAAGTTCT GCTATGTGGC GCGGTATTAT CCCGTGTTGA CGCCGGGCAA
 GAGCAACTCG GTCGCCGCAT AACTATTCT CAGAATGACT TGGTTGAGTA CTCACAGTC ACAGAAAGC ATCTTACGGA
 TGGCATGACA GTAAGAGAAAT TATGCACTGC TGCCATAACC ATGAGTGATA AACTGCGGC CAACTTACTT CTGACACGA
 TCGGAGGACC GAAGGAGCTA ACCGCTTTTT TGCACACAT GGGGATCAT GTAACTCGCC TTGATCGTTG GGAACCGGAG
 CTGAATGAAG CCATACCAAA CGACGAGCGT GACACACGA TGCTGTAGC AATGGCAACA ACGTTGCGCA AACTATTAAAC
 TGGCGAACTA CTTACTCTAG CTTCCCGGCA ACAATTAATA GACTGGATGG AGGCGGATAA AGTTGCAGGA CCCTTCTGC
 GCTCGGCCCT TCCGCTGGC TGGTTTATTG CTGATAAATC TGGAGCCGGT GAGCGTGGGT CTCGCGGTAT CATTGCAGCA
 CTGGGGCCAG ATGGTAAGCC CTCCCGTATC GTAGTTATCT ACACGACGGG GAGTCAGGCA ACTATGGATG AACGAAATAG
 ACAGATCGCT GAGATAGGTG CCTCACTGAT TAAGCATTTG TAAGTGTAG AAGCAAAATAT TAAATTTGTA AAGCTTAATA
 ATTTTACCCG GTTGATAATC AGAAAAGCCC CAAAACAGG AAGATTGTAT AAGCAAAATAT TAAATTTGTA AAGCTTAATA
 TTTTGTAAAT ATTCGCTTAA ATTTTGTGTT AAATCAGCTC ATTTTAAAC CAATAGGCGG AAATCGGCAA AATCCCTTAT
 AAATCAAAAG AATAGCCCGA GATAGGGTTG AGTGTGTTTC CAGTTTGGAA CAAGAGTCCA CTATTAAAGA ACGTGGACTC
 CAACGTCAA GGGCGAAAA CCGTCTATCA CTAAGGGAG CCCCGGATT AGAGCTTGAC GGGGAAAGC AACGTGGCGA
 CGAGGTGCCG TAAAGCACTA AATCGGAACC GCGCTAGGGC GCTGGCAAGT GTAGCGGTCA CGTCTCGGT AACCACCAAA
 GAAAGGAAGG GAAGAAAGCG AAAGGAGCGG GCGTAAAGG ATCTAGTGA AGATCCTTTT TGATAATCTC ATGACCAAAA
 CCCCGCGCGC TTAATGCGCC GCTACAGGGC GCGTAAAGG ATCTAGTGA AGATCCTTTT TGATAATCTC ATGACCAAAA
 TCCCTTAAAG TGAGTTTTTC TTCCACTGAG CGTCAGACCC CGTAGAAAAG ATCAAAGGAT CTCCTTGAGA TCCTTTTTTT
 CTGCGCGTAA TCTGCTGCTT GCAAAACAAA AAACCCAGCG TACCAGCGGT GGTGTTTTG CCGGATCAAG AGCTACCAAC
 TCTTTTTCCG AAGGTAACTG GCTTCAGCAG AGCGCAGATA CCAAATACTG TTCTTCTAGT GTAGCCGTAAG TTAGGCCACC
 ACTTCAAGAA CTCTGTAGCA CCGCTACAT ACCTCGCTCT GCTAATCCTG TTACCACTGG CTGCTGCCAG TGGCGATAAG
 TCGTGTCTTA CCGGGTTGGA CTCAGACGA TAGTTACCGG ATAAGGCGCA GCGGTCCGGG TGAACGGGGG TCTCGTCAC
 ACAGCCCGAG TTGGAGCGAA CGACTACAC CGAACTGAGA TACCTACAGC GTGAGCTATG AGAAGCGCGG ACGCTTCCCG
 AAGGGAGAAA GCGCGACAGG TATCCGGTAA GCGGCAGGGT CGGAACAGGA GAGCGCACGA GGGAGCTTCC AGGGGGAAC
 GCTTGTATC TTTATAGTCC TGTGCGGTTT CGCCACCTCT GACTTGAGCG TCGATTTTTG TGATGCTCGT CAGGGGGCGG
 GAGCCTATGG AAAAACGCCA GCAACGCGCG CTTTTTACGG TTCTTGGCCT TTTGCTGCGC TTTTGTCTAC ATGTAATGTC
 AGTTAGCTCA CTCATTAGG ACCCCAGGCT TTACACTTTA TGCTTCCGGC TCGTATGTTG TGTGGAATTC TGAGCGGATA
 ACAATTTTAC ACAGGAAACA GCTATGACCA TGATTACGCC AAGCTACGTA ATACGACTCA CTAGGCGGCC GCGTTTAAAC
 AATGTGCTCC TCTTTGGCTT GCTTCCGCGG GCCAAGCCAG ACAAGAACCA GTTGACGTCAG AGCTTCCCGG GACGCGTGCT
 AGCGGCGCGC CGAATTCCTG CAGGATTCTGA GGGCCCTGCG CTGGCACTTG GCGCTACACA AGTGGCCTCT GGCCTCGCAC ACATTCACCA
 CAGTCTGGAG CATGCGCTTT AGCAGCCCGG CTGGCACTTG GCGCTACACA AGTGGCCTCT GGCCTCGCAC ACATTCACCA
 TCCACCGGTA GCGCAACCG GCTCCGTCTT TTGTTGGCCC CTTCGCGCCA CCTTCTACTC CTCCCTAGT CAGGAAGTTC
 CCCCCCGCCC CGCAGCTCGC GTCGTGACAG ACCTGACAAA TGGAAAGTAG ACGTCTCACT AGTCTCGTGC AGATGGACAG
 CACCCGCTGAG CAATGGAAGC GGGTAGGCCCT TTGGGCGCAG GGCCTACAGC AGCTTGTGCT CTTCGCTTTC TGGGCTCAGA
 GGCTGGGAAG GGGTGGGTCC GGGGGCGGCG TCAGGGCGCG GTTCTCCTCT TCCTCATCTC CCGCTTGGGT GGAGAGGCTA TTCGCTATG
 GGCATTCTCG CACGCTTCAA AAGCGCAGCT CTGCGCGCT GTTCTCCTCT TCCTCATCTC CCGCTTGGGT GGAGAGGCTA TTCGCTATG
 CAATATGGGA TCGGCCATTG AACAAAGATG ATTGCAACGA GGTTCCTCCG CCGCTTGGGT GGAGAGGCTA TTCGCTATG
 ACTGGGCACA ACAGACAATC GGCTGCTCTG ATGCCGCGT GTTCCGCTG TCAGCGCAGG GCTATCGTGG GCGCGCCCGT TCTTTTTGTC
 AAGACCGACC TGTCCGGTGC CCTGAATGAA CTGCAGGAG AGGCAGCGCG GCTATCGTGG GCTATCGTGG GCGCGCCCGT TCTTTTTGTC
 TTGCGCAGCT GTGCTCGAGC TTGTCACTGA AGCGGGAAGG GACTGGCTGC TATTGGGCGA AGTGGCGGGG CAGGATCTCC
 TGTCACTCA CCTGCTCCT GCCAGAAAAG TATCCATCAT GGCTGATGCA ATGCGGCGGC TGATACGCT TGATCCGGCT
 ACCTGCCCAT TCGACCAACA AGCGAAACAT CGCATCGAGC GAGCAGCTAC TCGGATGGA GCGGTCTTTC TCGATCAGGA
 ATCTCGTCTG GATGCTGCT GATGCTGCT TGCCGAATAT TGGTACCCG TGATATTGCT GAAGAGCTTG GCGGCGAATG
 GCGCGGCTGG GTGTGGCGGA CCGCTATCAG GACATAGCTG GATTCGAGC GCATCGCTT CTATCGCTT CTGACGAGT
 TCTTCTGAGG GGATCGATCC GTCCGTGAAG TCTGCAGAAA TTGATGATCT ATTAACAAT AAAGATGTCC ACTAAATGG
 AAGTTTTTCC TGTCACTATT GTTTAAGAAG GGTGAGAACA GAGTACCTAC ATTTTGAATG GAAGGATTGG AGCTACGGGG
 GTGGGGGTGG GGTGGGATTA GATAAATGCC TGCTTTTTAC TGAAGGCTCT TTACTATTGC TTTATGATAA TGTTCATAG
 TTGGATATCA TAATTTAAAC AAGCAAAACC AAATTAAGGG CCAGCTCATT CCTCCCACTC ATGATCTATA GATCTATAGA
 TCTCTCGTGG GATCATGTT TTTCTCTTGA TTCCCACTTT GTGGTTCTAA GTACTGTGGT TTCCAATGT GTCAATTCAT
 TAGCCTGAAG AACGAGATCA GCAGCCTCTG TTCCACATAC ACTTCATTCT CAGTATTGTT TTGCCAAGTT TTTTCCAT
 CAGAAGCTGA CTCTAGATCT GGATCCGGCC AGCTAGGCCG TCGACCTCGA GTGATCAGGT ACCAAGGTCC TCGCTCTGTG
 TCCGTTGAGC TCGACGACAC AGGACACGCA AATTAATTA GGGCGGCGCG TACCCTCTAG TCAAGGCCTT AAGTGAGTGG
 TATTACGGAC TGGCCGTCTG TTTACAACTG CGTACTGGG AAAACCCCTGG CGTTACCCAA CTTAATCGCC TTGCAGCACA
 TCCCCCTTTC GCCAGCTGGC GTAATAGCGA AGAGGCCCGC ACGATCGCC CTTCCCAACA GTTGGCGCAG CTGAATGGCG
 AATGGCGCTT CGCTTGATAA TAAAGCCCGC TTCGGCGGCG TTTTTTTT;

FIGURE 2B

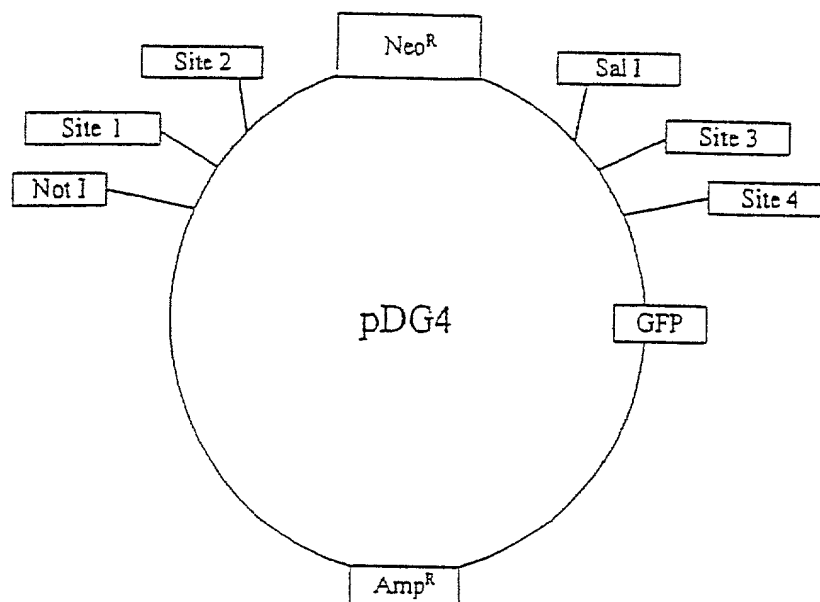


FIGURE 3A

GTTTAATAGT AATCAATTAC GGGGTCATTA GTTCATAGCC CATATATGGA GTTCCGCGTT ACATAACTTA CGGTAATGG
 CCCGCTGGC TGACCGCCCA ACGACCCCGC CCCATTGACG TCAATAATGA CGTATGTTCC CATAGTAACG CCAATAGGGA
 CTTTCCAATG ACGTCAATGG GTGGAGTATT TACGGTAAAC TGCCCACTTG GCAGTACATC AAGTGTATCA TATGCCAAGT
 ACGCCCCCTA TTGACGTCAA TGACGGAAAA TGGCCCGCCT GGCATTAAAGC CCAGTACATG ACCTTATGGG ACTTTCTTAC
 TTGGCAGTAC ATCTACGTAT TAGTCATCGC TATTACCATG GTGATGCGGT TTTGGCAGTA CATCAATGGG CTGGGATAGC
 GGTTTGACTC ACGGGGATTT CCAAGTCTCC ACCCCATTGA CGTCAATGGG AGTTTGTTTT GGCACCAAAA TCAACGGGAC
 TTTCCAAAT GTCGTAACAA CTCCGCCCCA TTGACGCAAA TGGGCGGTAG GCGTGTACGG TGGGAGGTCT ATATAAGCAG
 AGCTGGTTTA GTGAACCGTC AGATCCGCTA GCGCTACCGG TCGCCACCAT GGTGAGCAAG GCGGAGGAGC TGTTACCCGG
 GGTGGTGCCC ATCTGTGTCG AGCTGGACGG CGACGTAAAC GGCCACAAGT TCAGCGTGTG CCGCGAGGGC GAGGGCGATG
 CCACCTACGG CAAGCTGACC CTGAAGTTCA TCTGCACCAC CGGCAAGCTG CCGTGCCCTT GGCCACCCCT CGTGACCACC
 CTGACCTACG GCGTGCAGTG CTTAGCCGCG TACCCCGACC ACATGAAGCA GCACGACTTC TTCAAGTCCG CCATGCCCGA
 AGGCTACGTC CAGGAGCGCA CCATCTTCTT CAAGGACGAC GGCAACTACA AGACCCGCGC CGAGGTGAAG TTCGAGGGCG
 ACACCTCGGT GAACCGCATC GAGCTGAAGG GCATCGACTT CAAGGAGGAC GGCAACATCC TGGGGCACA GCTGGAGTAC
 AACTACAAAC GCCACAACGT CTATATCATG GCCGACAAGC AGAAGAACGG CATCAAGGTG AACTTCAAGA TCCGCCACAA
 CATCGAGGAC GGCAGCGTGC AGCTCGCCGA CCACTACGAC CAGAACAACC CCATCGGCGA CGGCCCGGTG CTGCTGCCCG
 ACAACCACTA CCTGAGGACC CAGTCCGCCC TGAGCAAGA CCCCACGAG AAGCGCGATC ACATGGTCTT GCTGGAGTTC
 GTGACCGCCG CCGGGATCAC TCTCGGCATG GACGAGCTGT ACAAGTCCGG ACTCAGATCC ACCGGATCTA GATAACTGAT
 CATAATCAGC CATACCACAT TTGTAGAGGT TTACTTGTCT TTAATAAACC TCCCACACCT CCCCTGAAC CTGAAACATA
 AAATGAATGC AATTGTTGTT GTTAACCTGT TTATTGCAGC TTATAATGGT TACAAATAAA GCAATAGCAT CACAAATTTT
 ACAATAAAGC CATTTTTTTC ACTGCACTCT AGTTGTGGTT TGTCCAAAC CATCAATGTA TCTTAAACGG AACTACGTGT
 GGTGGCCTTT TTCGGGGAAA TGTGCGCGGA ACCCCTATTT GTTTATTTTT CTAAATACAT TCAATATGAT ATCCGTCAT
 GAGACAATAA CCTGATAAA TGCTTCAATA ATATTGAAAA AGGAAGAGTA TGAGTATTCA ACATTTCCGT GTGCCCTT
 TTCCCTTTTT TGCGGCATTT TGCCCTTCCTG TTTTGTGCTA CCCAGAAACG CTGGTGAAAG TAAAGATGC TGAAGATCAG
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 TCCATATGATG AGCACTTTTA AAGTTCTGCT ATGTGGCGCG GTTATTATCC GTGTTGACGC CGGGCAAGAG CAACTCGGTC
 GCCGCATACA CTATTCTCAG AATGACTTGG TTGAGTACTC ACCAGTCACA GAAAAGCATC TTACGGATGG CATGACAGTA
 AGAGAATTAT GCAGTGCTGC CATAACCATG AGTGATAACA CTGCGGCCAA CTACTTCTG ACAACGATCG GAGGACCGAA
 GGAGCTAACG GCTTTTTTGC ACAACATGGG GATCATGTA ACTCGCCTTG ATCGTTGGGA ACCGGAGCTG GGGCCAGATG
 TACCAAACGA CGAGCGTGAC ACCACGATGC CTGTAGCAAT GGCAACAACG TTGCGCAAC TATTAACTGG CGAACTACTT
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 GGCTGGCTGG TTTATTGCTG ATAAATCTGG AGCCGCTGAG CGTGGGTCTC GCGGTATCAT TGCAGACTG GGGCCAGATG
 GTAAGCCCTC CCGTATCGTA GTTATCTACA CGACGGGAG TCAGGCAACT ATGGATGAAC GAAATAGACA GATCGCTGAG
 ATAGGTGCCT CACTGATTAA GCATTGGTAA CTGTCAGACC AAGTTTACTC ATATATACTT TAGATTGATT TACCCCGGTT
 GATAATCAGA AAAGCCCCAA AAACAGGAAG ATTGTATAAG CAAATATTTA AATTGTAAAC GTTAATAATT TGTAAAAAT
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 GTTTTCGTTT CACTGAGCGT CAGACCCCGT AGAAAGATC AAAGGATCTT CTGAGATCC TTTTTTCTG CGCGTAATCT
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 GTAACCTGGT TCAGCAGAGC GCAGATACCA AATACTGTTT TTCTAGTGTG GCCGTAGTTA GGCCACCACT TCAAGAACTC
 TGTAGCACCG CCTACATACC TCGCTCTGCT AATCTGTGTA CCAGTGGCTG CTGCCAGTGG CGATAAGTCG TGCTTACCG
 GGTGGACTC AAGACGATAG TTACCGGATA AGGCGCAGCG GTGCGGCTGA ACGGGGGGTT CGTGACACA GCCCAGCTTG
 GAGCGAACGA CCTACACCGA ACTGAGATAC CTACAGCGTG AGCTATGAGA AAGCGCCACG CTTCCCGAAG GGAGAAAGGC
 GGACAGGTAT CCGSTAAGCG GCAGGGTCGG AACAGGAGAG CGCACGAGGG AGCTTCCAGG GGGAAACGCC TGTATCTTT
 ATAGTCCTGT CGGGTTTCGC CACCTCTGAC TTGAGCGTCG ATTTTGTGTA TGCTCGTCAG GGGGGCGGAG CCTATGAAAA
 AACGCCAGCA ACGCGGCTT TTTACGGTTT CTGGCCTTTT GCTGGCCTTT TGCTCACATG TAATGTGAGT TAGCTCACTC
 ATTAGGCACC CCAGGCTTTA CACTTTATGC TTCCGGCTCC TATGTTGTGT GGAATTGTGA GCGGATAACA ATTTACACA
 GGAAACAGCT ATGACCATGA TTACGCCAAG CTACGTAATA CGACTCACTA GCGCGCCGCG TTTAAACAAT GTGCTCCTCT
 TTGGCTTGCT TCCGCGGGCC AAGCCAGACA AGAACCAAGT GACGTCAAGC TTCCCGGGAC GCGTGCTAGC GCGCGCCGA
 ATTCTGTCAG GATTGAGGG CCCCTGCAGG TCAATTCTAC CCGGTAGGGG AGGCGCTTTT CCCAAGGCAG TCTGGAGCAT
 GCGCTTTAGC AGCCCCGCTG GCACTTGGCG CTACACAAGT GGCCTCTGGC CTGCGACACA TTCCACATCC ACCGGTAGCG
 CCAACCGGCT CCGTCTTTTG GTGGCCCCCT CGCGCCACCT TCTACTCTC CCCTAGTCAG GAAATTCGCC CCGCCCCCGC
 AGCTCGCTC GTGCAAGGAC TGACAAATGG AAGTAGCAGC TCTCACTAGT CTCGTGCAGA TGGACAGCAC CGCTGAGCAA
 TGGAGCGGG TAGGCCTTG GGGCAGCGGC CAATAGCAGC TTTGCTCCTT CGCTTCTGG GCTCAGAGG TGGGAAGGGG

FIGURE 3B1

TGGGTCCGGG GGGCGGCTCA GGGCGGGGCT CAGGGGCGGG GCGGGCGCGA AGGTCTCTCC GAGGCCCGGC ATTCTCGCAC
 GCTTCAAAAG CGCACGTCTG CCGCGCTGTT CTCCTCTTCC TCATCTCCGG GCCTTTCGAC CTGCAGCCAA TATGGGATCG
 GCCATTGAAC AAGATGGATT GCACGCAGGT TCTCCGGCCG CTTGGGTGGA GAGGCTATTC GGCTATGACT GGGCACAAACA
 GACAATCGGC TGCTCTGATG CCGCCGTGTT CCGGCTGTCA GCGCAGGGGC GCCCGGTTCT TTTTGTCAAG ACCGACCTGT
 CCGGTGCCCT GAATGAACTG CAGGACGAGG CAGCGCGGCT ATCGTGGCTG GCCACGACGG GCGTTCCTTG CGCAGCTGTG
 CTCGACGTTG TCACTGAAGC GGAAGGGAC TGGCTGCTAT TGGGCGAAGT GCCGGGGCAG GATCTCCTGT CATCTCACCT
 TGCTCCTGCC GAGAAAAGTAT CCATCATGGC TGATGCAATG CGGCGGCTGC ATACGCTTGA TCCGGCTACC TGCCCATTCG
 ACCACCAAGC GAAACATCGC ATCGAGCGAG CACGTACTCG GATGGAAGCC GGTCTGTGCG ATCAGGATGA TCTGGACGAA
 GAGCATCAGG GGCTCGCGCC AGCCGAAC TGCGCCAGGC TCAAGGCGCG CATGCCCCGAC GGCATGATC TCGTCGTGAC
 CCATGGCGAT GCCTGCTTGC CGAATATCAT GGTGGAAAAT GGCCGCTTTT CTGGATTCAT CGACTGTGGC CGGCTGGGTG
 TGGCGGACCG CTATCAGGAC ATAGCGTTGG CTACCCGTGA TATTGCTGAA GAGCTTGGCG GCGAATGGGC TGACCCGCTTC
 CTCGTGCTTT ACGGTATCGC CGCTCCCGAT TCGCAGCGCA TCGCCTTCTA TCGCCTTCTT GACGAGTTCT TCTGAGGGGA
 TCGATCCGTC CTGTAAGTCT GCAGAAATTG ATGATCTATT AAACAATAAA GATGTCCACT AAAATGGAAG TTTTCTCTGT
 CATACTTTGT TAAGAAGGGT GAGAACAGAG TACCTACATT TTGAATGGA GATTGGAGC TACGGGGGTG GGGGTGGGGT
 GGGATTAGAT AAATGCCTGC TCTTTACTGA AGGCTCTTTA CTATTGCTTT ATGATAATGT TTCATAGTTG GATATCATAA
 TTTAAACAAG CAAACCCAAA TTAAGGGCCA GCTCATTCCCT CCCACTCATG ATCTATAGAT CTATAGATCT CTCGTGGGAT
 CATTGTTTTT CTCTTGATTG CCACCTTTGTG GTTCTAAGTA CTGTGGTTTC CAAATGTGTC AGTTTCATAG CCTGAAGAAC
 GAGATCAGCA GCCTCTGTTC CACATACACT TCATTCTCAG TATTGTTTTG CCAAGTTCTA ATTCCATCAG AAGCTGACTC
 TAGATCTGGA TCCGGCCAGC TAGGCCGTCG ACCTCGAGTG ATCAGGTACC AAGGTCTCTG CTCTGTGTCC GTTGAGCTCG
 ACGACACAGG ACACGCAAAAT TAATTAAGGC CGGCCCGTAC CCTCTAGTCA AGGCCTTAAG TGAGTCGTAT TACGGACTGG
 CCGTCGTTTT ACAACGTCGT GACTGGGAAA ACCCTGGCGT TACCCAACTT AATCGCCTTG CAGCACATCC CCCTTTCGCC
 AGCTGGCGTA ATAGCGAAGA GGCCCGCACC GATCGCCCTT CCCAACAGTT GCGCAGCCTG AATGGCGAAT GGCCTTCGCC
 TTGGTAATAA AGCCCGCTTC GGGCGGCTTT TTTT

FIGURE 3B2

Annealing site	Sequence	Sequence after digestion
1	5' tgtgctcctcttgggcttgcttccaa... 3' 3' acacgaggagaaacggaacgaggtt... 5'	5' tgtgctcctcttgggcttgcttccaa... 3' 3' tt... 5'
2	5' ctgggttcttgtctgggcttgcccaa... 3' 3' gaccaagaacagacacggaacgggtt... 5'	5' ctgggttcttgtctgggcttgcccaa... 3' 3' tt... 5'
3	5' ggctcctcgctctgtgtccggttgaa... 3' 3' ccaggagcgagacacaggaactt... 5'	5' ggctcctcgctctgtgtccggttgaa... 3' 3' tt... 5'
4	5' ttggcgtgtcctgtgtcgtcgaa... 3' 3' aaacgcacaggagacacagcagctt... 5'	5' ttggcgtgtcctgtgtcgtcgaa... 3' 3' tt... 5'

FIGURE 4

Annealing site	Sequence	Sequence after digestion
1	5' AATgtgctcctcttggcttgcttCCGC 3' 3' Ttacacgaggagaaacccgaacgaagg 5'	5' AA 3' 3' Ttacacgaggagaaacccgaacgaagg 5'
2	5' AActggttcttgtctggcttggCCCGC 3' 3' Ttgaccaagaacacagaccgaaccggg 5'	5' AA 3' 3' Ttgaccaagaacacagaccgaaccggg 5'
3	5' AAggtccctcgtctgtgtccgttGAGCT 3' 3' Ttccaggagcgagacacaggaac 5'	5' AA 3' 3' Ttccaggagcgagacacaggaac 5'
4	5' AAtttgcgtgtcctgtgtcgtcGAGCT 3' 3' Ttaaacgcacaggaacacagcagc 5'	5' AA 3' 3' Ttaaacgcacaggaacacagcagc 5'

FIGURE 5

FIGURE 6

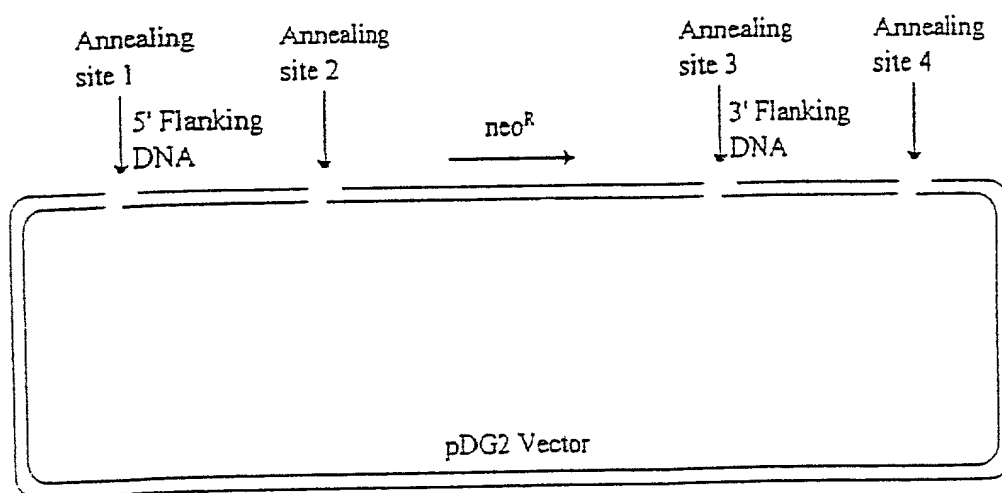
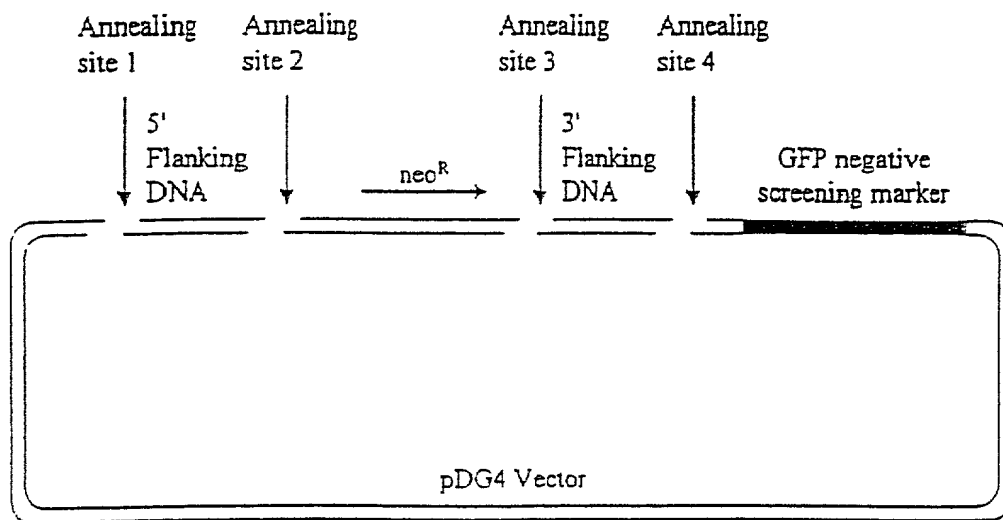


FIGURE 7



11/11

Oligo#	Sequence (5' to 3')
174	ATGACCGCTCAGGAAACCTGTTGCA
180	ATAGGCATAGTAGGCCAGCTTGAGG
454	tgtgctcctctttggcttgcttccAATTAACCCTCACTAAAGGGAACGAAT
463	ctggttcttgtctggcttgcccaaTGCAACAGGTTTCCTGAGCGGTCAT
464	ggtcctcgctctgtgtccgttgaaCCTCAAGCTGGCCTACTATGCCTAT
42	tttgcggtgcctgtgtcgtcgaaCGACTAATACGACTCACTATAGGGCG
151	GCCAATGGACTCTTAGTTTTGGAAC
155	GTTCTGGCAAACAAATTCGGCGCAC
454	tgtgctcctctttggcttgcttccAATTAACCCTCACTAAAGGGAACGAAT
465	ctggttcttgtctggcttgcccaaGTTCCAAACTAAGAGTCCATTGGC
466	ggtcctcgctctgtgtccgttgaaGTGCGCCGAATTTGTTTGCCAGAAC
1	GAACCTTGGTGTGCCAAGTTACTTC
2	GAACCTTGGCTGAACCCCTGTTCT
41	tgtgctcctctttggcttgcttgaCGACTAATACGACTCACTATAGGGCG
38	ctggttcttgtctggcttgcccaaGAAGTAAGTTGGCACACCAAGGTTTC
40	ggtcctcgctctgtgtccgttgaaAGAACAAGGGGTTGAGCCAAAGTTC
37	tttgcggtgcctgtgtcgtaATTAACCCTCACTAAAGGGAACGAAT
540	ATGCCGGATCTCCTACTACTGGGCC
546	TGTCATAGTAGACAGCGATGGAACG
445	GACAAGAACCAGTTGACGTCAAGCTTCCCGGGACGCGTGCTAGCGGCGCGCCG
667	ctggttcttgtctggcttgcccaaGGCCAGTAGTAGGAGATCCGGCAT
668	ggtcctcgctctgtgtccgttgaaCGTTCCATCGCTGTCTACTATGACA
907	ctggttcttgtctggcttgcccaaAAAGCCGACAGCCACGCTCACAAGC
908	ggtcctcgctctgtgtccgttgaaGCCCAATGCCACAGAGACAGAATGT
1157	ctggttcttgtctggcttgcccaaGTTGGATCCTCTCCAAGGCCCATCT
1158	ggtcctcgctctgtgtccgttgaaCTCCAGTGCCGAGTGTGTGGGACAG

Figure 8